

Apr 8-3:21 PM

35.1 Review

Grade: 12th
Subject: Advanced Biology
Date: 4/9

Apr 8-3:21 PM

1 Most nutrients are absorbed in the small intestine.

True

False

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2 Digestion ~~can~~ is only performed through chemical digestion.

True

False

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3 _____ is an enzyme found in saliva.

Amylase

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4 The _____ is the largest internal organ of the body and produces bile, which helps to break down fats.

liver

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5 Most nutrients from food are absorbed into the bloodstream through fingerlike structures called _____.

villi

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6 The process in which the smooth muscles that line the esophagus contract rhythmically to move food through the digestive system is called ~~pepsin~~.

peristalsis

True

False

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35.2/35.3 Review

Grade: 12th
Subject: Advanced Biology
Date: 4/19

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1 _____ is the process by which a person takes in and uses food.

Nutrition

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2 A Calorie is equal to 1 kilocalorie, or 1000 calories (lower case c).

True

False

Apr 19-10:04 AM

3 To lose weight, _____ amounts of Calories must be used than consumed.

A lesser

B greater

C equal

Apr 19-10:05 AM

4 In proper amounts, fats are an essential part of a healthful diet.

True

False

Apr 19-10:07 AM

5 _____ are inorganic compounds used by the body as building materials, and they are involved with metabolic functions.

Minerals = inorganic

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6 _____ are organic compounds that are needed in small amounts for metabolic activities.

Vitamins

Apr 19-10:08 AM

7 A _____ is a substance that acts on certain target cells and tissues to produce a specific response.

Hormone

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8 Homeostasis in the body is maintained by internal mechanisms called ~~positive~~ feedback.

negative

True

False

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9 The pituitary gland secretes hormones that not only regulate many body functions, but also regulates other endocrine gland.

True

False

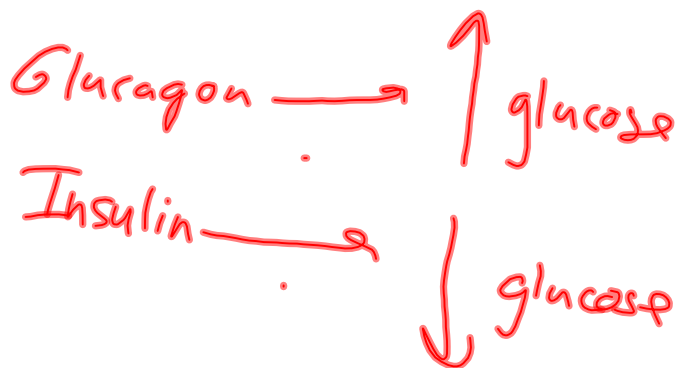
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- 10 Calcitonin is a hormone that is partly responsible for the regulation of calcium, which is used in bone formation, blood clotting, nerve function, and muscle contraction.

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- 11 Glucagon binds to liver cells, signaling them to convert glycogen to glucose and release glucose into the blood.

True
False



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12 The antidiuretic hormone functions in homeostasis by regulating water balance.

True

False

Apr 19-10:15 AM

13 The parathyroid hormone increases blood calcium levels by stimulating the bones to release calcium.

True

False

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14 _____ are broken down into fatty acids and glycerol.

A amylase

B protein

C fat

D carbohydrates

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15 Insulin is released from the pancreas when blood glucose levels are too high.

Apr 24-9:43 AM

16 _____ signals the liver to produce glucose.

- A Insulin
- B Pepsin
- ☒ C Glucagon
- D Mucus

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17 What hormone regulates calcium formation?

Apr 24-9:45 AM

18 Why is it essential to eat proteins even though the body produces them?

- A Only digested proteins can function in cells
- B The body only makes harmful proteins
- C Proteins made in body are not composed of amino acids
- ☒ D The body only makes 12 of the essential 20 amino acids

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19 The _____ is the end of the digestive tract.

- A small intestine
- B stomach
- C pancreas
- ☒ D large intestine

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20 The enzyme involved with protein digestion in the stomach is called pepsin.

Apr 24-9:47 AM

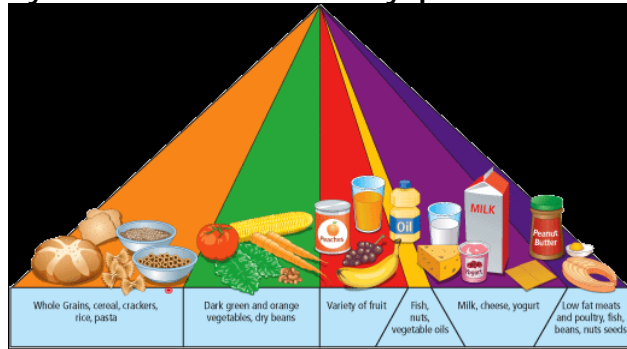
21 What are the two classifications of hormones?

- ☒ A steroid and amino acid
- ☐ B endocrine and non-endocrine
- ☐ C enzyme and non-enzyme
- ☐ D acid and endocrine

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22 What can be concluded from this MyPyramid plan?

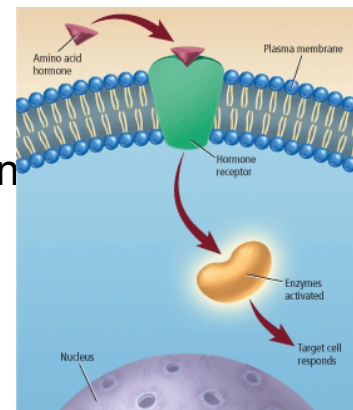
- ☒ A More nutrients should be consumed from grains than meats
- ☐ B more nutrients should be consumed from oils than vegetables
- ☐ C oils are not a necessary part of the diet
- ☐ D dairy is not a necessary part of the diet



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23 What happens after this amino acid cell and its receptor binds to DNA?

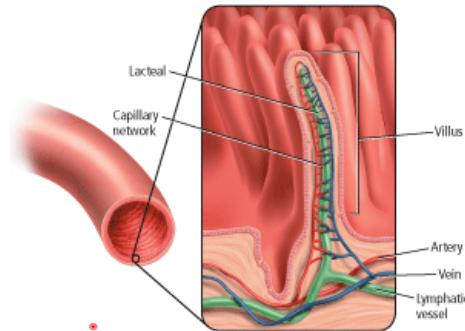
- ☐ A the cell is destroyed
- ☒ B genes are activated
- ☐ C the nucleus prevents gene activation
- ☐ D the plasma membrane is destroyed



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24 What is the function of this structure?

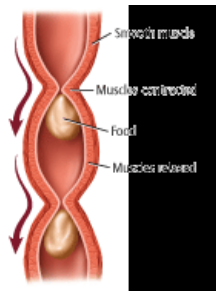
- A performs peristalsis
- ☒ B absorbs nutrients in small intestine
- C releases amylase
- D releases bile



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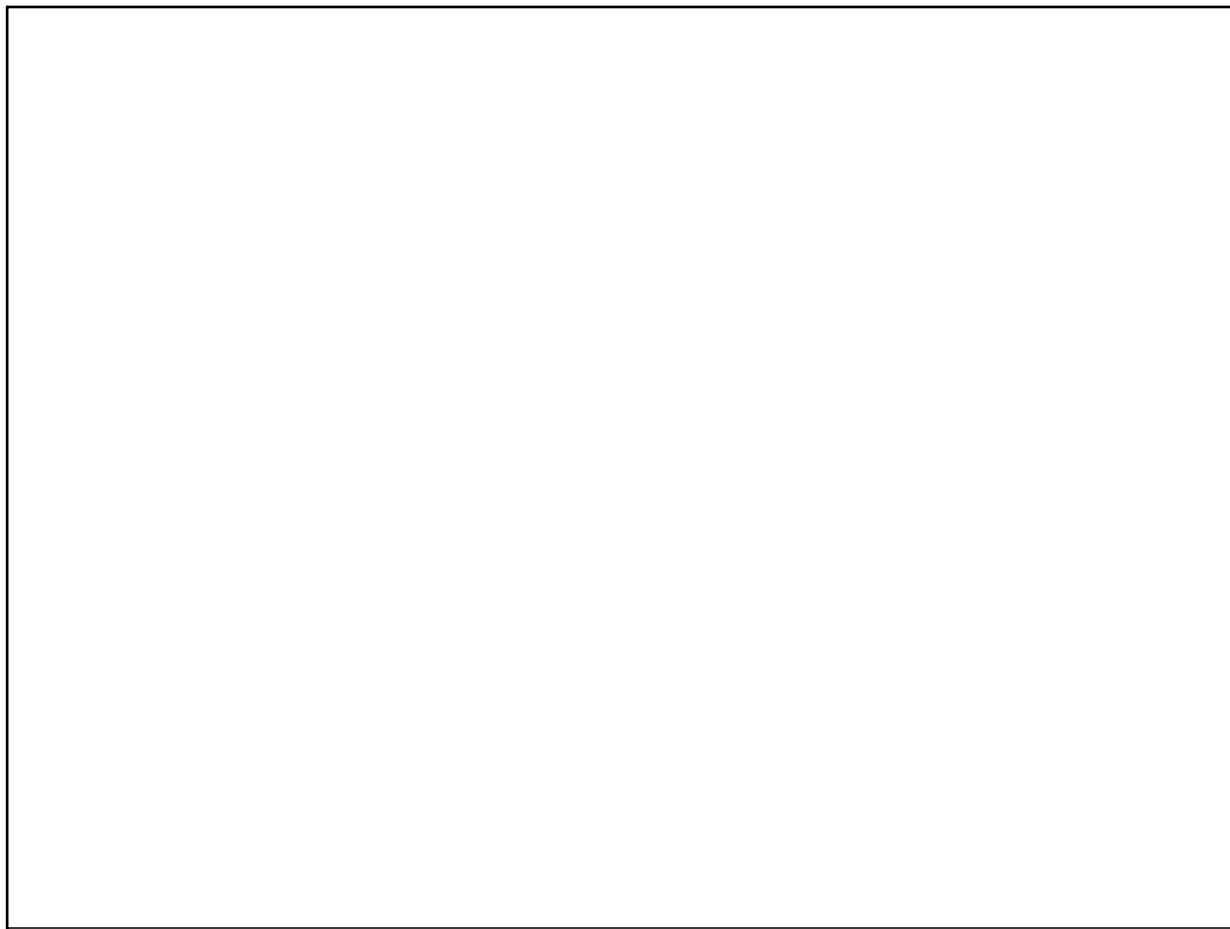
25 What type of digestion is shown here?

- A cardiac
- B chemical
- ☒ C mechanical
- D enzyme



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